

COMMUNICATION SERVER APPARATUS PROVIDING  
XDSL SERVICES AND METHOD

ABSTRACT OF THE DISCLOSURE

5           A communication system (500) includes a plurality of  
subscriber systems (510) coupled to a plurality of  
twisted pair data lines (520). Each subscriber system  
(510) has an availability guarantee value, which may  
specify a level of service for the subscriber system  
10           (510). A communication server (502) is coupled to the  
plurality of subscriber systems (510). The communication  
server (502) selectively couples a subscriber system  
(510), responsive to a request for service, to either a  
first modem pool (530) or a second modem pool (540) based  
15           on the availability guarantee value associated with the  
subscriber system (510). Communication server (502) can  
also provide a soft-termination state and dynamic network  
address allocation for subscriber systems (510).